

Abstract

Methods and compositions for the treatment of conditions which would benefit from vasoconstriction or the inhibition of vasoconstriction via modulation of sphingosine kinase and sphingosine-1-phosphate phosphatase activity and EDG receptor signaling are provided.

5 These conditions include migraine, stroke, subarachnoid hemorrhage and vasospasm. Also provided are screening methods for modulators of sphingosine kinase and sphingosine-1-phosphate phosphatase activity and EDG receptor signaling which are capable of regulating vasoconstriction.